**Amendments to the Claims:**

The following claims will replace all prior versions of the claims in this application (in the unlikely event that no claims follow herein, the previously pending claims will remain):

1. (Currently Amended) A method for parallel type interference cancellation in a CDMA receiver, the method comprising the steps of:

(a) when an ~~over-sample~~ over-sampled position of a received signal reaches the end of a symbol of a user, completing temporary detecting and recovering the symbol of the user;

(b) generating a residual signal by using the recovered signal of the user and a received signal state; and

(c) detecting symbol information by obtaining an interference cancelled signal by adding the residual signal to the recovered signal of the user.

2. (Currently Amended) The method as recited in claim 1, further comprising the step of:

(d) repeating ~~from~~ the recovering of the symbol of ~~the~~ step (a) by using the detected result of detecting ~~the~~ step (c) as a temporary detection result to raise accuracy of signal detection.

3. (Currently Amended) The method as recited in claim 1, wherein the step (a) includes:

(a1) checking whether the end of the symbol of the user is received, and, if the end of the symbol of the user is not received, receiving a signal; and, otherwise, performing temporary detecting for the symbol of the user, and

(a2) obtaining the recovered signal by adjusting the amplitude and the phase information of the temporarily detected signal.

4. (Currently Amended) The method as recited in claim 1, wherein the step (b) includes:

(b1) for a time point at which the recovered signals of the users are available, adding the recovered signals of the users ~~on an axis equal to the received signal state,~~ only up to the time point;

(b2) generating the residual signal by subtracting the added signal from the received signal.

5. (Currently Amended) The method as recited in claim 1, wherein the step (c) includes:

(c1) adding the recovered signals of the users ~~on an axis equal to the received signal state,~~ only to a time point at which the length of the residual signal is enough to detect the symbol of the user;

(c2) detecting the symbol by performing matched filtering and converting for the ~~detected signal~~ interference cancelled signal.

6. (Original) The method as recited in claim 1, wherein the lengths of the symbols are equal to each other in the received signal.

7. (Original) The method as recited in claim 1, wherein the lengths of the symbols are different from each other in the received signal.

8. (Currently Amended) A computer readable recording medium storing instructions for executing a method for parallel type interference cancellation in a parallel type interference canceller of a CDMA receiver, the parallel type interference canceller having a micro-processor, the method comprising the steps of:

(a) when an ~~over-sample~~ over-sampled position of a received signal reaches the end of a symbol of a user, completing temporary detecting and recovering the symbol of the user;

(b) generating a residual signal by using the recovered signal of the user and a received signal state; and

(c) detecting symbol information by obtaining an interference cancelled signal by adding the residual signal to the recovered signal of the user.

9. (New) The computer readable recording medium as recited in claim 8, wherein the method further comprises the step of:

(d) repeating the recovering of the symbol of step (a) by using the detected result of detecting step (c) as a temporary detection result to raise accuracy of signal detection.

10. (New) The computer readable recording medium as recited in claim 8, wherein the step (a) of the method includes:

(a1) checking whether the end of the symbol of the user is received, and, if the end of the symbol of the user is not received, receiving a signal; and, otherwise, performing temporary detecting for the symbol of the user, and

(a2) obtaining the recovered signal by adjusting the amplitude and the phase information of the temporarily detected signal.

11. (New) The computer readable recording medium as recited in claim 8, wherein the step (b) of the method includes:

(b1) for a time point at which the recovered signals of the users are available, adding the recovered signals of the users only up to the time point;

(b2) generating the residual signal by subtracting the added signal from the received signal.

12. (New) The computer readable recording medium as recited in claim 8, wherein the step (c) of the method includes:

(c1) adding the recovered signals of the users only to a time point at which the length of the residual signal is enough to detect the symbol of the user;

(c2) detecting the symbol by performing matched filtering and converting for the interference cancelled signal.

13. (New) The computer readable recording medium as recited in claim 8, wherein the lengths of the symbols are equal to each other in the received signal.

14. (New) The computer readable recording medium as recited in claim 8, wherein the lengths of the symbols are different from each other in the received signal.